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Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number	09/838,483
				Filing Date	4/19/01
				First Named Inventor	Louise C. Sengupta
				Group Art Unit	2817
				Examiner Name	Marcus Kirk
Sheet	1	of	2	Attorney Docket Number	283014-00018-1

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
SM		4,320,404		Chekroun	03-16-1982	
SM		4,434,409		Green	02-28-1984	
SM		4,532,704		Green	08-06-1985	
SM		4,654,611		Wong et al.	03-31-1987	
SM		4,782,346		Sharma	11-01-1988	
SM		4,789,840		Albin	12-06-1988	
SM		4,818,963		Green	04-04-1989	
SM		4,837,528		Mörz et al.	06-06-1989	
SM		4,894,627		Kane	01-16-1990	
SM		4,982,171		Figlia et al.	01-01-1991	
SM		5,312,790		Sengupta et al.	05-17-1994	
SM		5,355,104		Wolfson et al.	10-11-1994	
SM		5,427,988		Sengupta et al.	06-27-1995	
SM		5,486,491		Sengupta et al.	01-23-1996	

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

Examiner Signature	Sengsook Han	Date Considered	6-10-02
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ou		5,635,433		Sengupta	06-03-1997	
gm		5,635,434		Sengupta	06-03-1997	
ga		5,693,429		Sengupta et al.	12-02-1997	
ga		5,724,011		McWhirter et al.	03-03-1998	
ou		5,766,697		Sengupta et al.	06-16-1998	
ou		5,811,830		Dubey et al.	09-22-1998	
gm		5,830,591		Sengupta et al.	11-03-1998	
ou		5,846,893		Sengupta et al.	12-08-1998	
		Application No. <del>09/594,837</del>		Chiu	Filed <del>06-15-2000</del>	
		Application No. <del>09/644,019</del>		Kozyrev et al.	Filed <del>08-22-2000</del>	
		Application No. <del>09/768,690</del>		Sengupta et al.	Filed <del>01-24-2001</del>	

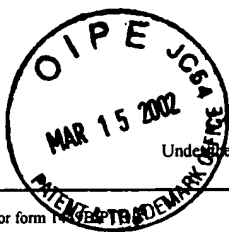
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Examiner Signature	Sengupta Han	Date Considered	8-10-02
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<p>Substitute for form 1</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(use as many sheets as necessary)</p>			<b>Complete if Known</b>		
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			Group Art Unit	2817	
			Examiner Name	Marcus Kirk	
Sheet	1	of	1	Attorney Docket Number	283014-00018-1

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
am		A. KOZYREV ET AL., "Ferroelectric Films: Nonlinear Properties and Applications in Microwave Devices," <i>IEEE MTT-S International Microwave Symposium Digest</i> , June 7, 1998, pp. 985-988.	
m		O. G. VENDIK ET AL., "Ferroelectric Tuning of Planar and Bulk Microwave Devices," <i>Journal of Superconductivity</i> , Vol. 12, No. 2, April 1999, pp. 325-338.	
em		A. BURGEL ET AL., "Optical Second-Harmonic Generation at Interfaces of Ferroelectric Nanoregions in SrSiO/sub 3/:Ca SrTiO/sub 3/:Ca," <i>Physical Review B, Condensed Matter</i> , Vol. 53, No. 9, March 1, 1996, pp. 5222-5230.	
am		US Application No. 09/394,837	
am		US Application, No. 09/644,019	
am		US Application, No. 09/268,690	

Examiner Signature	Sengupta Haw	Date Considered	6-10-02
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SM		4,568,893		Sharma	02-04-1986	
		<del>5,427,988</del>		<del>Sengupta et al.</del>	<del>06-27-1995</del>	

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
SA		JP	05251942		Mitsubishi Electric Corp.	09-28-1993		

Examiner Signature	Sengupta Ham	Date Considered	6-10-02
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